AMENDED CLAIMS

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original claims 1 and 12 amended and remaining claims unchanged (2 pages)]

1. (Amended) An image decoding apparatus comprising:

an analyzing section which determines a process quantity of a coded image data in each of a plurality of image decoding processes per a unit process time determined based on a parameter for said coded image data, prior to said plurality of image decoding processes; and

an image decoding section which carries out each of said plurality of image decoding processes to said coded image data for the determined process quantity such that a decoded image data is generated from said coded image data.

2. The image decoding apparatus according to claim 1, wherein said parameter is an internal parameter of said coded image data.

3. The image decoding apparatus according to claim 1, wherein said parameter is an external parameter for said coded image data.

4. The image decoding apparatus according to claim 1, wherein said parameter contains an internal parameter of said coded image data, and an external parameter for said coded image data.

said bit modeling decoding process to each of said plurality of code blocks from said weight coefficients and said unit process time, and determines a number of bit planes from the determined coding paths, and

said image decoding section carries out said inverse quantization process and said inverse wavelet conversion process to said coded image data for the determined number of bit planes.

12. (Amended) An image decoding method of decoding a decoded image data from a coded image data through a plurality of decoding processes, comprising:

determining a process quantity of said coded image data in each of said plurality of image decoding processes per a unit process time determined based on a parameter for said coded image data; and

carrying out said plurality of image decoding processes to said coded image data for the determined process quantities.

13. The image decoding method according to claim 12, wherein said parameter is an internal parameter of said coded image data.

14. The image decoding method according to claim 12, wherein said parameter is an external parameter for said coded image data.